CLAIMS

What is claimed is:

1. An elastic couple rotor turning gear, characterized in that an elastic support (5) is mounted on a frame (6) of a driven device, a casing (4) with a U-shaped cross section being connected to the elastic support for providing an elastic connection between the frame (6) of the driven device and the elastic couple rotor turning gear, a casing cover (3) being firmly fixed on the casing, a speed reducer (2) and an electric motor (1) being installed evenly or symmetrically positioned at an angle of 180°, an output shaft of the speed reducer extending into the casing (4) under the casing cover (3), the output shaft having a pinion gear (7) mounted thereon and meshed with a gear body (81) of a bull gear (8) positioned in the casing, the bull gear being connected to a shaft coupling (9) through parallel keys (10) via a key seat (83) or an upright post (84), and the shaft coupling (9) being fixed on a rotor (12) of the driven device.

2. The elastic couple rotor turning gear according to claim 1, wherein the elastic support includes an upper ring (51) and a lower ring (52), the upper ring being connected to the lower ring through a plurality of elastic ribs (53).

3. The elastic couple rotor turning gear according to claim 2, wherein the plurality of elastic ribs (53) are made of an elastic material with a rectangular, groove-shaped, T-shaped, I-shaped or circular cross section.

4. The elastic couple rotor turning gear according to claim 1, wherein the shaft coupling (9) is of an integral type or separable type, and the shaft coupling (9) is connected to the rotor (12) of the driven device through a plurality of radial linkages (11).

5. The elastic couple rotor turning gear according to claim 1, wherein an axial sliding clearance (13) and a radial sliding clearance (14) are formed between the gear body (81) of the bull gear positioned inside the casing and the casing.

6. The elastic couple rotor turning gear according to claim 1, wherein an air clearance is formed between an inner round wall of the bull gear and the shaft coupling, and three screws (15) for adjusting concentricity are evenly distributed along a circumference of the shaft coupling.

7. The elastic couple rotor turning gear according to claim 1, wherein the bull gear includes the key seat (83) on an inner round wall (82) thereon, the key seat (83) including a free rotating angle, or the upright post (84) being mounted on the bull gear.